



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 3/1/11	CONTRACTOR: Rotschy, Inc.

PRESENT: Rick Gray, City of Long Beach
Jake Binoia, City of Long Beach
Don Zuern, City of Long Beach
Casey Danforth, Rotschy, Inc.
Dave Wiebe, PACE Engineers, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- Casey Danforth did not provide an up-dated schedule as the schedule remains the same, with the exception of the vertical turbine pumps. Casey was notified that they will be delivered March 4th or 5th and installation will occur the week of March 7th.

3. O&M MANUALS:

- No discussion.

4. RFI'S:

- No discussion.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- Northeast Electric has questions about the termination of the 4- #16 alarm wires from the chlorine generator PLC to the Pall MCP. The wires do not show a landing in the PLC, nor do they show a relay termination in the MCP. It is necessary to have alarm and control capability for the chlorine generator through the SCADA interface. Casey will send an RFI about this situation.
- There are no other electrical issues at this time.
- Rick Gray is concerned about hydrogen gas in the chlorine generator room. There does not appear to be a hydrogen gas sensor in the room and the only positive room ventilation is provided by a manual on/off switch for the air discharge blower. He is concerned about an explosion potential from both the blower and the electric ceiling mounted heater.
- Rotschy excavated for the last tie-in necessary for the finish water piping southwest of the steel reservoir. This would involve removing an MJ 90 bend, and termination of an existing 12" line with a MJ cap. The existing line would then be connected to the new 12" waterline. Rick Gray reviewed the as-built drawings for the completed waterlines, and is concerned that this tie-in/termination will not allow sufficient flow/pressure to back-wash the filters in the existing plant. Rick Gray is going to install a gate valve and a tee at the termination point and the line will be connected as planned. The City will provide the valve and fittings and will assist Rotschy with the installation. This will provide water for the backwash at the existing plant, and the valve can be closed and labeled after start-up.
- Jerry Hull pointed out on his last visit that the chlorine analyzer for the EFM vault would not provide an accurate signal. Dan Naughton is looking into an ORP analyzer and will talk to Rick Gray about this.
- The new phone/DSL lines to the WTP are installed. Rick Gray is in communication with Century Tel for final connection.
- The CAT-6 conduit has been installed from the MCP to the office terminal.
- The new chlorine pump is on-site and will be mounted on the deck of the CHN skid. The 1" piping upgrade was discussed. Rick Gray requests that 22.5 and 45 degree elbows be used wherever possible, to limit the number of 90 degree elbows in the line.



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- The auto-dialer will be located in the office/laboratory to facilitate connection to the SCADA interface.
- The removal of the existing Dohman pumps and installation of the new pumps was discussed. In that the City doesn't require water from the Dohman impound currently, work will be started this week.
- The City agreed to assist the contractor in installing the filter modules providing the required "strong backs".
- There was a discussion about the capabilities of the Main and Dohman pumps to provide the required "blending" of raw water necessary to control the organics present in the Dohman impound during the summer months. Rick Gray would like to utilize the flowmeters and the pump variable speed drive to control the amount of water flowing from each site rather than a pressure related scenario as proposed by Pall Corporation.
- Rick Gray wants to make sure that the Pall Representative is "certified" to provide calibration and training for all the various equipment and instrumentation they have provided.

7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- No discussion.

9. Q & A:

- No discussion.